



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960013

Agency Interest No. 1255

Mr. Jonathon Manns
Plant Manager
PPG Industries, Inc.
P. O. Box 1000
Lake Charles, LA 70602

RE: Part 70 Operating Permit, Lake Charles Complex – Wastewater Unit, PPG Industries, Inc., Lake Charles, Calcasieu Parish, Louisiana

Dear Mr. Manns:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2269-V0

Sincerely,

Need Notice

CHUCK CARL BROWN Ph.D.

Assistant Secretary

CCB:QMZ

cc: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
PPG INDUSTRIES
LAKE CHARLES COMPLEX / WASTEWATER UNIT
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a Proposed Initial Part 70 Air Operating Permit for PPG Industries, Inc., P. O. Box 1000, Lake Charles, LA 70602 for the Lake Charles Complex - Wastewater Unit. **The facility is located at 1300 PPG Drive, near the intersection of I-10 and I-210 in Lake Charles, Calcasieu Parish.**

The facility consists of three highly integrated business areas, the Chlor/Alkali area where chlorine, caustic and hydrogen are produced, the Derivatives area where chlorinated hydrocarbons and muriatic acid are produced and the Silicas area where sodium silicate is produced and used for the production of different grades of products.

PPG requested an Initial Part 70 Air Operating Permit for its Wastewater Unit. The facility is currently operating under State Permit 2269 issued July 21, 1994, and Small Source Exemptions issued August 20, 1996, September 20, 1996, August 10, 1998 and July 5, 2001.

Newly available emission data has been used in the emission calculations for the permit. Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	< 0.01	< 0.01	-
SO ₂	< 0.01	< 0.01	-
NO _x	< 0.01	< 0.01	-
CO	< 0.01	< 0.01	-
VOC	42.46	39.50	- 2.96

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, April 24, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, including the Environmental Impact Questions, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the Calcasieu Public Library, Westlake Branch, 937 Mulberry Street, Westlake, LA and the Calcasieu Public Library, Sulphur Regional Branch, 1160 Cypress Street, Sulphur, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Qingming Zhang, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3140.

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Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tbid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1255, Permit Number 2269-V0, and Activity Number PER19960013.

Publication date: March 20, 2006.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX – WASTEWATER UNIT
AGENCY INTEREST NO. 1255
PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

I. Background

The Lake Charles Complex is a chemical manufacturing facility. It is organized into the following units/areas: VC Production, Power/Utilities, Silicas, Complex Support Facilities, Chlor/Alkali Plant, Mercury Cells, Derivatives Docks, Derivatives Shipping, Wastewater Treatment Facilities, Greater EDC, Waste Recovery Unit, Per/Tri, TE-2, and Incinerators Area.

This Part 70 operating permit covers the Wastewater Unit. The previous permit number for this unit is 2269, issued July 21, 1994. Small Source Exemptions, dated August 20, 1996, September 20, 1996, August 10, 1998, and July 5, 2001, were also issued for this facility.

II. Origin

A permit application was submitted by PPG Industries, Inc. on October 11, 1996 requesting a Part 70 operating permit for the reference facility. The application was revised on August 12, 2004. Additional information dated January 11, February 10, and February 23, 2006 was also received.

III. Description

This facility treats wastewater from the chemical production processes, maintenance activities, HSWA (Hazardous and Solid Waste Amendments) remediation activities, and stormwater resulting from rain events. The Wastewater Unit consists of the following operating systems/equipment:

Wastewater Collection/Transfer Facilities

The collection system for three complex stripper systems includes numerous sewer systems and their respective lift stations that collect wastewater or stormwater. The upstream portions of the collection system consist of various collection and containment devices, including trenches, hard piping, drains, manholes, and junction boxes. These upstream sewer systems are routed to the lift stations that in turn send the wastewater to the treatment systems as described below.

WTU Stripper System

The Wastewater Treatment Unit (WTU) stripper system consists of three steam strippers that treat nonmetals contaminated wastewater from sewer systems throughout the Derivatives area. The wastewater from the sewer collection system is sent to the WTU settlers where the water is separated from the organic phase. The water phase is sent to the WTU feed storage vessels while the organic phase is routed to another area for material recovery or reuse.

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From the WTU feed storage vessels, the wastewater passes through a filter before entering the steam strippers for treatment. Second treatment is provided by carbon bed filters, or other necessary treatment, before water is discharged through a NPDES monitoring point. All vents from the WTU stripper system are routed to incineration either directly or via a vent compressor system. Condensed organics from this system are routed to the Waste Recovery Unit.

CSS Stripper System

High pH metals contaminated wastewater from the Derivatives Plant is collected and fed to the CSS (Central Steam Stripper) stripper feed storage vessels. Wastewater accumulated in the feed storage vessels is directed through one of two CSS steam strippers. Overheads from the strippers are condensed and sent to a phase separator. CSS strippers system vents are incinerated at one of the on-site incineration systems. Recovered organics from the phase separator are routed to the Waste Recovery Unit.

Per/Tri Steam Stripper System

Two steam strippers are used to treat acidic metals-contaminated wastewater from the Per/Tri Production Unit. The wastewater collected in the Per/Tri stripper feed storage vessels is routed through plate separator to the Per/Tri steam strippers. The Per/Tri stripper bottoms stream may be directed to acid recovery before being routed to the BAT (Best Available Technology) metals removal system for further treatment. Vents for the Per/Tri stripper system are sent to incineration. Recovered organics are routed to the Waste Recovery Unit.

Per/Tri TCA Destruction System

Trichloroacetic acid (TCA), an undesired by-product, is removed in the Per/Tri TCA destruction system from the affected wastewater stream. This system heats the water to a defined temperature and provides the necessary capacity to hold the wastewater at this temperature for a prescribed retention time. This process allows the TCA to break down to chloroform. The wastewater is then cooled and sent to the Per/Tri stripper system.

Sodium Formate Destruction System

The sodium formate destruction system consists of a series of retention vessels and static mixers. It treats the effluent from the CSS steam strippers to remove sodium formate. The CSS stripper bottoms stream flows to this system where, in a series of static mixers, acid and either bleach or a combination of chlorine and caustic or both, are added. The wastewater then flows through a series of retention vessels in which the sodium formate destruction takes place.

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Dechlorination System

The dechlorination system uses a chemical additive to convert bleach from the sodium formate destruction section and from PPG's incinerator scrubbing systems to sodium chloride. The first of two series of vessels accepts metals-contaminated wastewater. The wastewater stream is treated before it reaches the first series of dechlorination process vessels. The dechlorination is accomplished as the water flows through the mix/reaction vessels. The water is then routed to the BAT metals removal section.

The second dechlorination system treats nonmetals contaminated water. Water is treated to remove chlorine as the water flows through the tanks. This stream is then routed to an NPDS monitored outfall.

BAT Metals Removal

The BAT metals removal process is used to treat metals contaminated wastewater. A pH adjustment system and water treatment additives are used to enhance the flocculation and subsequent precipitation of metals. Settlers and filters are used to remove the metals before the wastewater is sent to further treatment prior to discharge to an NPDES outfall.

Groundwater Collection System

The groundwater collection system is used to collect groundwater pumped from remediation wells at various locations in the Complex. The water is removed either by pumps or vacuum systems. In most cases, the well water is transferred first to a collection tank, then is treated by an air stripper. The vent from the stripper is utilized as a portion of the combustion air for No. 3 Halogen Acid Furnace.

Vacuum Trucks

Vacuum trucks are used in various areas around the plant to facilitate maintenance activities, to transfer liquid streams, and to remove solids. Use of vacuum trucks is limited to those instances where pumping systems are not available or impractical.

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LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

There are no proposed construction, modification, or reconstruction activities being requested with this permit. Newly available data is used for emission calculations. Estimated emissions from this unit in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	< 0.01	< 0.01	-
SO ₂	< 0.01	< 0.01	-
NO _X	< 0.01	< 0.01	-
CO	< 0.01	< 0.01	-
VOC	42.46	39.50	- 2.96

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,1,2,2-Tetrachloroethane	0.20	0.46	+ 0.26
1,1,2-Trichloroethane	1.23	1.48	+ 0.25
1,1-Dichloroethane	0.52	1.58	+ 1.06
1,2-Dichloroethane	5.85	6.93	+ 1.08
Benzene	< 0.001	< 0.001	-
Biphenyl	0.11	0.10	- 0.01
Carbon Disulfide		< 0.001	< 0.001
Carbon Tetrachloride	< 0.001	1.42	+ 1.42
Chlorobenzene	< 0.001	< 0.001	-
Chloroethane	0.84	1.67	+ 0.83
Chloroform	1.85	9.84	+ 7.99
Dichloromethane		< 0.001	< 0.001
Hexachlorobutadiene		0.10	+ 0.10
Methyl Chloride	0.02	< 0.001	- 0.02
Toluene	0.35	< 0.001	- 0.35
Trichloroethylene	4.39	5.30	+ 0.91
Vinyl Chloride	0.11	0.29	+ 0.18
Vinylidene Chloride	6.55	2.82	-
Total	22.02	31.99	+ 9.97
<u>Other VOC (TPY):</u>		7.51	

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

**AIR PERMIT BRIEFING SHEET
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**LAKE CHARLES COMPLEX – WASTEWATER UNIT
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PPG INDUSTRIES, INC.
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA**

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance Plan for PPG's Lake Charles Complex was approved by the LDEQ on March 29, 1995. Provisions of the compliance plan related to the Wastewater Unit have been incorporated herein.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the <local paper>, <local town>, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard (NAAQS))

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates (TPY)
O1 – Sampling	18,250 samples/year	VOC: < 0.01; HCl: < 0.01; PER: < 0.01
O3 – Loading Hoses Disconnection	25 times/month	Non-VOC: < 0.01
M1 – Pump Clearing	250 pumps/year	VOC: < 0.01; HCl: < 0.01; PER: < 0.01
M2 – Miscellaneous Piping Clearing	40 pipes/week	VOC: < 0.01; HCl < 0.01
M3 – Instrument Tubing Clearing	10 feet/week	HCl: < 0.01
M4 – Tank Clearing	15 times/year	VOC: 0.16; HCl: 0.11; PER: 0.01
M6 – Steam Stripper System Clearing	70 times/year	VOC: 0.01; HCl: 0.01; PER: < 0.01
M12 – Shop Parts Clearing Machine	520 gal/year (solvent)	VOC: 0.19

NOTE: PER = Perchloroethylene (Tetrachloroethylene)

IX. Insignificant Activities

ID No.	Description	Citation
	Formate Bleach Tank	[LAC 33:III:501.B.5.A.4]
	DTC Storage Tank	[LAC 33:III.501.B.5.A.4]
	Dechlor Thiosulfate Tank	[LAC 33:III.501.B.5.A.4]
	Laboratory Emissions	[LAC 33:III.501.B.5.A.6]
	Stabilizer Drum Washing Operations	[LAC 33:III.501.B.5.A.7]
	Process Stream/Vent Analyzer	[LAC 33:III.501.B.5.A.9]

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LAKE CHARLES COMPLEX - WASTEWATER UNIT
 AGENCY INTEREST NO. 1255
 PPG INDUSTRIES, INC.
 LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2153	22	29*	51*	53	56	59
GRP077	Wastewater Unit	1						1					1	1		1	1	1	1
ARE043	Lift Stations												2			1			
ARE044	Formate, Dechlorination Area Source												3			1			
ARE045	Metal Removal Area Source												3			1			
ARE046	Upstream Lift Stations												2			1			
EQT344	Outfall 001 HCl Storage Tank												1						
EQT345	HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber												1						
EQT346	ND Groundwater Collection Tank												3						
EQT347	Vacuum Trucks – Mobile Source												3						
EQT348	South Terminal Rainwater Storage Tank												3		1				
EQT349	South Terminal Dock Sump Tank												3		1				
EQT350	South Terminal EDC Pumps Sump Tank												3		1				
EQT351	C Dock Solvent Rainwater Storage Tank												3		1				
EQT352	WTU Stormwater Storage Tank												3		1				
EQT353	South Terminal Flameless Thermal Oxidizer														3				
EQT354	ST Groundwater Collection Tank														3				
EQT356	COS Acid Storage Tank														1				

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2153	22	29*	51*	53	56	59
EQT357	No. 3 Incinerator Weak Acid Storage Tank																		1
EQT358	No. 3 Incinerator 201 Tank																		1
EQT359	No. 1 WTU Stripper Feed Tank																		1
EQT360	No. 2 WTU Stripper Feed Tank																		1
EQT361	No. 1 P/T Stripper Feed Tank																		1
EQT362	No. 2 P/T Stripper Feed Tank																		1
EQT363	No. 3 P/T Stripper Feed Tank																		1
EQT364	WTU Backwash Collection Tank																		1
EQT365	No. 3 WTU Stripper Feed Tank																		1
EQT366	No. 2 CSS Feed Tank																		1
EQT368	No. 1 CSS Feed Tank																		1
EQT369	No. 2 WTU Steam Stripper																		1
EQT370	No. 3 WTU Steam Stripper																		1
EQT371	No. 1 P/T Steam Stripper																		1
EQT372	No. 2 P/T Steam Stripper																		1
EQT373	No. 1 OHC Central Steam Stripper																		1
EQT374	No. 2 OHC Central Steam Stripper																		1

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX - WASTEWATER UNIT

AGENCY INTEREST NO. 1255

PPG INDUSTRIES, INC.

LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR 68
		A	K _a	K _b	D _c	D _e	G _g	N _z	A	F	M	A	F	G	H	E	GGGG	NNNN		
GRP077	Wastewater Unit																			
ARE043	Lift Stations																		1	
ARE044	Formate, Dechlorination Area Source																			
ARE045	Metal Removal Area Source																			
ARE046	Upstream Lift Stations																		1	
EQT344	Outfall 001 HCl Storage Tank Scrubber																			
EQT345	HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber																		3	
EQT346	ND Groundwater Collection Tank																			
EQT347	Vacuum Trucks – Mobile Source																			
EQT348	South Terminal Rainwater Storage Tank																			
EQT349	South Terminal Dock Sump Tank																			
EQT350	South Terminal EDC Pumps Sump Tank																			
EQT351	C Dock Solvent Rainwater Storage Tank																			
EQT352	WTU Stormwater Storage Tank																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS												40 CFR 63 NESHP												40 CFR 68 NNNN	
		A	K _a	D	K _d	G	NZN	A	Z	H	F	C	G	H	E	EE	G	G	GGGG	GGGG	EE	H	C	F	Z	A	
EQT353	South Terminal Flameless Thermal Oxidizer																										3
EQT354	ST Groundwater Collection Tank																										3
EQT356	COS Acid Storage Tank																										3
EQT357	No. 3 Incinerator Weak Acid Storage Tank																										3
EQT358	No. 3 Incinerator 201 Tank																										1
EQT359	No. 1 WTU Stripper Feed Tank																										1
EQT360	No. 2 WTU Stripper Feed Tank																										1
EQT361	No. 1 P/T Stripper Feed Tank																										1
EQT362	No. 2 P/T Stripper Feed Tank																										1
EQT363	No. 3 P/T Stripper Feed Tank																										1
EQT364	WTU Backwash Collection Tank																										3
EQT365	No. 3 WTU Stripper Feed Tank																										1
EQT366	No. 2 CSS Feed Tank																										1
EQT368	No. 1 CSS Feed Tank																										1
EQT369	No. 2 WTU Steam Stripper																										1
EQT370	No. 3 WTU Steam Stripper																										1
EQT371	No. 1 P/T Steam Stripper																										1
EQT372	No. 2 P/T Steam Stripper																										1
EQT373	No. 1 OHC Central Steam Stripper																										1

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LAKE CHARLES COMPLEX - WASTEWATER UNIT

AGENCY INTEREST NO. 1255

PPG INDUSTRIES, INC.

LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR 68
		A	B	C	D	E	F	G	H	I	J	K	L	
EQT374	No. 2 OHC Central Steam Stripper									1				

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
ARE043, ARE046	Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Exempt – Subject to HON Subpart G.
ARE044, ARE045	Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Does not apply – VOC concentration of the wastewater stream < 1,000 ppmw.
EQT346, EQT353, EQT354	NESHAP Subpart GGGG – Site Remediation [40 CFR 63.7881]	Does not apply – The remediation is performed under RCRA corrective action and is not subject to this subpart per 40 CFR 63.7881(b)(3).
EQT347	Comprehensive TAP Emission Control Program [LAC 33:III.5109]	Does not apply – Emissions from the remediation of a RCRA corrective action is exempt per LAC 33:III.5105.B.6.
EQT348, EQT349, EQT350, EQT351, EQT352	Comprehensive TAP Emission Control Program [LAC 33:III.5109] Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Does not apply – Not a stationary source.
EQT359, EQT360, EQT361, EQT362, EQT363, EQT365, EQT366, EQT368	Storage of Volatile Organic Compounds [LAC 33:III.2103] Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Does not apply – The water stream is not in direct contact with VOC.
EQT364	Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does not apply – Maximum true vapor pressure of VOC < 1.5 psia. Exempt – Subject to HON Subpart G.
	Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Does not apply – Not a VOL (< 10% VOL).
	HON Subpart G – NESHAP SOCMI Process Wastewater [40 CFR 63.132]	Does not apply – VOC concentration of the wastewater stream < 1,000 ppmw. Does not apply – The wastewater has been treated in accordance with HON Subpart G.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LAKE CHARLES COMPLEX - WASTEWATER UNIT

AGENCY INTEREST NO. 1255

PPG INDUSTRIES, INC.

LAKE CHARLES, CALCASIEU PARISH, LOUISIANA

X1. Table 2: Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT369, EQT370, EQT371, EQT372	Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Exempt - Subject to HON Subpart G.
EQT373; EQT374	Waste Gas Disposal [LAC 33:III.2115] Limiting VOC emissions from Industrial Wastewater [LAC 33:III.2153]	Exempt - Subject to HON Subpart G. Exempt - Subject to HON Subpart G.

The above table provides explanation for both the exemption status and non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2; the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence

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that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals. Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 12, 2004, along with supplemental information dated January 11, February 10, and February 23, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
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- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33:1 Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
-
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
 Activity Number: PER19960013
 Permit Number: 2269-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE043	386: Lift Stations					8760 hr/yr (All Year)
ARE044	395: Formate, Dechlorination Area Source	80000 gallons				8760 hr/yr (All Year)
ARE045	396: Metal Removal Area Source	305143 gallons				8760 hr/yr (All Year)
ARE046	501-506: Upstream Lift Stations					8760 hr/yr (All Year)
EQ1344	368: Outfall 001 HCl Storage Tank Scrubber	6900 gallons				8760 hr/yr (All Year)
EQ1345	375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber	27600 gallons				8760 hr/yr (All Year)
EQ1346	380: ND Groundwater Collection Tank	8812 gallons				8760 hr/yr (All Year)
EQ1347	388: Vacuum Trucks - Mobile Source					8760 hr/yr (All Year)
EQ1348	536A: South Terminal Rainwater Storage Tank	13355 gallons				8760 hr/yr (All Year)
EQ1349	536B: South Terminal Dock Sump Tank	2280 gallons				8760 hr/yr (All Year)
EQ1350	536C: South Terminal EDC Pumps Sump Tank	2534 gallons				8760 hr/yr (All Year)
EQ1351	537: C Dock Solvent Rainwater Storage Tank	13355 gallons				8760 hr/yr (All Year)
EQ1352	540: WTU Stormwater Storage Tank	2 million gallons				8760 hr/yr (All Year)
EQ1353	544: South Terminal Flameless Thermal Oxidizer		.04 MM BTU/hr			8760 hr/yr (All Year)
EQ1354	56A-T-63065: ST Groundwater Collection Tank	5568 gallons				8760 hr/yr (All Year)
EQ1355	51A-T-61583: Outfall 001 HCl Storage Tank	6900 gallons				8760 hr/yr (All Year)
EQ1356	66A-T-10: COS Acid Storage Tank	7000 gallons				8760 hr/yr (All Year)
EQ1357	68A-T-15: No. 3 Incinerator Weak Acid Storage Tank	19500 gallons				8760 hr/yr (All Year)
EQ1358	20A-T-7: No. 3 Incinerator 201 Tank	800 gallons				8760 hr/yr (All Year)
EQ1359	57A-T-201: No. 1 WTU Stripper Feed Tank	100000 gallons				8760 hr/yr (All Year)
EQ1360	57A-T-202: No. 2 WTU Stripper Feed Tank	100000 gallons				8760 hr/yr (All Year)
EQ1361	57G-T-101: No. 1 P/T Stripper Feed Tank	17000 gallons				8760 hr/yr (All Year)
EQ1362	57G-T-201: No. 2 P/T Stripper Feed Tank	17000 gallons				8760 hr/yr (All Year)
EQ1363	57G-T-446: No. 3 P/T Stripper Feed Tank	18300 gallons				8760 hr/yr (All Year)
EQ1364	57A-T-412: WTU Backwash Collection Tank	63000 gallons				8760 hr/yr (All Year)
EQ1365	57A-T-425: No. 3 WTU Stripper Feed Tank	470000 gallons				8760 hr/yr (All Year)
EQ1366	57D-T-3: No. 2 CSS Feed Tank	160000 gallons				8760 hr/yr (All Year)
EQ1368	57A-T-627789: No. 1 CSS Feed Tank	210000 gallons				8760 hr/yr (All Year)
EQ1369	57A-C-472: No. 2 WTU Steam Stripper					8760 hr/yr (All Year)
EQ1370	57A-C-405-B: No. 3 WTU Steam Stripper					8760 hr/yr (All Year)
EQ1371	57G-C-462-A: No. 1 P/T Steam Stripper					8760 hr/yr (All Year)
EQ1372	57G-C-462-B: No. 2 P/T Steam Stripper					8760 hr/yr (All Year)
EQ1373	57D-C-464-A: No. 1 OHC Central Steam Stripper					8760 hr/yr (All Year)
EQ1374	57D-C-464-B: No. 2 OHC Central Steam Stripper					8760 hr/yr (All Year)

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
 Activity Number: PER19960013
 Permit Number: 2269-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP077	Wastewater Unit	ARE43 386: Lift Stations
GRP077	Wastewater Unit	ARE44 395: Formate, Dechlorination Area Source
GRP077	Wastewater Unit	ARE45 396: Metal Removal Area Source
GRP077	Wastewater Unit	ARE46 501-506: Upstream Lift Stations
GRP077	Wastewater Unit	EQT344 368: Outfall 001 HCl Storage Tank Scrubber
GRP077	Wastewater Unit	EQT345 375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber
GRP077	Wastewater Unit	EQT346 380: ND Groundwater Collection Tank
GRP077	Wastewater Unit	EQT347 388: Vacuum Trucks - Mobile Source
GRP077	Wastewater Unit	EQT348 536A: South Terminal Rainwater Storage Tank
GRP077	Wastewater Unit	EQT349 536B: South Terminal Dock Sump Tank
GRP077	Wastewater Unit	EQT350 536C: South Terminal EDC Pumps Sump Tank
GRP077	Wastewater Unit	EQT351 537.C Dock Solvent Rainwater Storage Tank
GRP077	Wastewater Unit	EQT352 540: WTU Stormwater Storage Tank
GRP077	Wastewater Unit	EQT353 544: South Terminal Flameless Thermal Oxidizer
GRP077	Wastewater Unit	EQT354 56A-T-63065; ST Groundwater Collection Tank
GRP077	Wastewater Unit	EQT355 51A-T-61583; Outfall 001 HCl Storage Tank
GRP077	Wastewater Unit	EQT356 68A-T-10: COS Acid Storage Tank
GRP077	Wastewater Unit	EQT357 68A-T-15: No. 3 Incinerator Weak Acid Storage Tank
GRP077	Wastewater Unit	EQT358 2DA-T-7: No. 3 Incinerator 201 Tank
GRP077	Wastewater Unit	EQT359 57A-T-201: No. 1 WTU Stripper Feed Tank
GRP077	Wastewater Unit	EQT360 57A-T-202: No. 2 WTU Stripper Feed Tank
GRP077	Wastewater Unit	EQT361 57G-T-101: No. 1 P/T Stripper Feed Tank
GRP077	Wastewater Unit	EQT362 57G-T-201: No. 2 P/T Stripper Feed Tank
GRP077	Wastewater Unit	EQT363 57G-T-446: No. 3 P/T Stripper Feed Tank
GRP077	Wastewater Unit	EQT364 57A-T-412: WTU Backwash Collection Tank
GRP077	Wastewater Unit	EQT365 57A-T-425: No. 3 WTU Stripper Feed Tank
GRP077	Wastewater Unit	EQT366 57D-T-3: No. 2 CSS Feed Tank
GRP077	Wastewater Unit	EQT368 57A-T-62789; No. 1 CSS Feed Tank
GRP077	Wastewater Unit	EQT369 57A-C-472: No. 2 WTU Steam Stripper
GRP077	Wastewater Unit	EQT370 57A-C-405-B; No. 3 WTU Steam Stripper
GRP077	Wastewater Unit	EQT371 57G-C-462-A; No. 1 P/T Steam Stripper
GRP077	Wastewater Unit	EQT372 57G-C-462-B; No. 2 P/T Steam Stripper
GRP077	Wastewater Unit	EQT373 57D-C-464-A; No. 1 OHC Central Steam Stripper
GRP077	Wastewater Unit	EQT374 57D-C-464-B; No. 2 OHC Central Steam Stripper

Relationships:

Subject Item	Relationship	Subject Item

INVENTORIES

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
 Activity Number: PER19960013
 Permit Number: 2269-V0
 Air - Title V Regular Permit Initial

Relationships:

Relationships:	Subject Item	Relationship	Subject Item
	EQT344 368: Outfall 001 HCl Storage Tank Scrubber	Controls emissions from	EQT355 51A-T-61583: Outfall 001 HCl Storage Tank
	EQT345 375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber	Controls emissions from	EQT356 66A-T-10: COS Acid Storage Tank
	EQT345 375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber	Controls emissions from	EQT357 68A-T-15: No. 3 Incinerator Weak Acid Storage Tank
	EQT345 375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber	Controls emissions from	EQT358 20A-T-7: No. 3 Incinerator 201 Tank
	EQT353 544: South Terminal Flameless Thermal Oxidizer	Controls emissions from	EQT354 56A-T-63065: ST Groundwater Collection Tank

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
ARE044 395: Formate, Dechlorination Area Source					22.5	
ARE045 396: Metal Removal Area Source					24	
EQT344 375: Outfall 001 HCl Storage Tank Scrubber			1.5	.70	2	80
EQT345 375: HCl Tanks (COS, No. 3 Inc. WA, T-7) Scrubber			1.5	.70	15	110
EQT346 380: ND Groundwater Collection Tank			.5	.25	22	70
EQT347 388: Vacuum Trucks - Mobile Source	.01		.25	.0625	10	80
EQT348 538A: South Terminal Rainwater Storage Tank			.33	.1089	21.83	80
EQT349 538B: South Terminal Dock Sump Tank			.17	.0289	2.92	70
EQT350 538C: South Terminal EDC Pumps Sump Tank			.17	.0289	2.58	70
EQT351 537: C Dock Solvent Rainwater Storage Tank			.33	.0841	21.83	70
EQT352 540: WTU Stormwater Storage Tank			.94	.2704	40	80
EQT353 544: South Terminal Flameless Thermal Oxidizer	5.35		7	.49	12	170

Fee Information:

Subj Item Id	Multipiler	Units Of Measure	Fee Desc
GRP077	1	MM Lb/Yr	0620 - Halogenated Hydrocarbons (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386													0.06		0.22
ARE 044 395													1.82	3.97	7.99
ARE 045 396													0.23	0.48	1.00
ARE 046 501-506													2.56		11.20
EQT 346 380													0.17	0.20	0.80
EQT 347 388													4.15	4.98	18.17
EQT 348 536A													< 0.01	< 0.01	
EQT 349 536B													< 0.01	< 0.01	
EQT 350 536C													< 0.01	< 0.01	
EQT 351 537													0.02		0.10
EQT 352 540													0.005		0.02
EQT 353 544	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: <0.01 tons/yr

SO2: <0.01 tons/yr

NOx: 0.01 tons/yr

CO: <0.01 tons/yr

VOC: 39.50 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

		1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,2-Dichloroethane				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386	0.01		0.03	< 0.001	< 0.001		0.01	0.003		0.01	0.003		0.01	0.034		0.01	0.034	
ARE 044 395																0.02	0.10	0.08
ARE 045 396																		
ARE 046 501-506	0.415	1.82	0.011		0.05	0.106		0.47	0.074		0.32	0.666						2.92
EQT 344 368																		
EQT 345 375																		
EQT 346 380	0.05	0.06	0.20	0.003	0.004	0.01				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.04	0.05	0.20
EQT 347 388	0.36	0.43	1.58	0.092	0.110	0.40	0.229	0.274	1.00	0.285	0.342	1.25	0.85	1.02	0.72			
EQT 348 536A													< 0.001					0.002
EQT 349 536B													< 0.001					0.001
EQT 350 536C													< 0.001					0.001
EQT 351 537	0.038		0.17															
EQT 352 540	0.002		0.01				< 0.001			< 0.001			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 353 544	< 0.001	< 0.001	< 0.001				< 0.001	< 0.001		< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

Benzene		Biphenyl		Carbon disulfide		Carbon tetrachloride		Chlorine	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386				<	0.01		<	0.01	0.003
ARE 044 395							0.02	0.10	0.08
ARE 045 396									
ARE 046 501506	< 0.001	< 0.001	0.022	0.10	< 0.001	< 0.001	0.217		0.95
EQT 344 388									
EQT 345 375									
EQT 346 380							0.084	0.100	0.37
EQT 347 388									
EQT 348 536A									
EQT 349 536B									
EQT 350 536C									
EQT 351 537									
EQT 352 540							0.002	0.01	
EQT 353 544								0.01	0.02
									0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Chlorobenzene			Chloroethane			Chloroform			Dichloromethane			Hexachlorobutadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001	0.004						
ARE 044 395							1.79	3.77	7.83						
ARE 045 396							0.23	0.48	1.00						
ARE 046 501-506	< 0.001	< 0.001	0.056		0.24	0.037			0.16	< 0.001		< 0.001	0.024		0.10
EQT 344 368															
EQT 345 375															
EQT 346 380															
EQT 347 388				0.327	0.392	1.43	0.193	0.232	0.85						
EQT 348 536A															
EQT 349 536B															
EQT 350 536C															
EQT 351 537										< 0.001		< 0.001			
EQT 352 540										< 0.001					
EQT 353 544					< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001					

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Hexachloroethane			Hydrochloric acid			Methyl chloride			Tetrachloroethylene			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386	< 0.01			0.01	< 0.001		< 0.001	0.01		0.01			0.03	< 0.001	< 0.001
ARE 044 395															
ARE 045 396															
ARE 046 501-506	0.026	0.11	0.105		0.46					0.49			2.13		
EQT 344 368	< 0.01	< 0.01	< 0.01	< 0.01											
EQT 345 375	< 0.01	< 0.01	< 0.01	< 0.01											
EQT 346 380													0.002	0.002	0.01
EQT 347 388													0.65	0.78	2.85
EQT 348 508A															
EQT 349 508B															
EQT 350 508C															
EQT 351 537										0.045			0.20		
EQT 352 540										0.008			0.04		
EQT 353 544				0.01	0.02	0.04				< 0.001	< 0.001	< 0.001			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 043 386	< 0.004		0.02	0.001		0.005	0.005		0.02
ARE 044 395									
ARE 045 396									
ARE 046 501-506	0.328		1.43	0.039		0.17	0.408		1.79
EQT 344 368									
EQT 345 375									
EQT 346 380	0.03	0.03	0.12	< 0.001	< 0.001	< 0.001	0.005	0.005	0.01
EQT 347 388	0.828	0.993	3.62	0.025	0.030	0.11	0.225	0.270	0.99
EQT 348 536A									
EQT 349 536B									
EQT 350 536C									
EQT 351 537	0.023		0.10						
EQT 352 540	0.002		0.01						
EQT 353 544	< 0.001	< 0.001	< 0.001						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 3.81 tons/yr
 1,1,2,2-Tetrachloroethane: 0.46 tons/yr
 1,1,2-Trichloroethane: 1.48 tons/yr
 1,1-Dichloroethane: 1.58 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

All phases

1,2-Dichloroethane: 6.93 tons/yr
Benzene: <0.001 tons/yr
Biphenyl: 0.10 tons/yr
Carbon disulfide: <0.001 tons/yr
Carbon tetrachloride: 1.42 tons/yr
Chlorine: 0.04 tons/yr
Chlorobenzene: <0.001 tons/yr
Chloroethane: 1.67 tons/yr
Chloroform: 9.84 tons/yr
Dichloromethane: <0.001 tons/yr
Hexachlorobutadiene: 0.10 tons/yr
Hexachloroethane: 0.11 tons/yr
Hydrochloric acid: 0.51 tons/yr
Methyl chloride: <0.001 tons/yr
Tetrachloroethylene: 5.26 tons/yr
Toluene: <0.001 tons/yr
Trichloroethylene: 5.30 tons/yr
Vinyl chloride: 0.29 tons/yr
Vinylidene chloride: 2.82 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

A1 ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

ARE043 386: Lift Stations

- 1 This source includes Lift Station No. 7 WTU (386A), Lift Station No. 2 WTU (386C), CSS Sump (386D), Formate Sump (386E), Dechlor Sump (386F), BAT Sump WTU (386G), Lift Station No. 1 WTU (386H), Lift Station No. 6 Per/Tri (386I), BAT Per/Tri Sump (386J), Lift Station No. 10 PHH (386M), Impounding Basin PHH (386N), BAT-Rain PHH (386O), BAT Organic PHH (386P), E. Process Area Sump Tank PHH (386Q), BAT TE-2 Sump (386R), Lift Station No. 9 TE-2 (386S), BAT Stormwater Tank TE-2 (386U), Lift Station No. 4 Shipping (386V), Lift Station No. 1 EC/HCl (386W), Lift Station No. 5 EDC (386X), Lift Station No. 3 VDCM (386Y), 301 Stormwater Sump WTU (386Z), Classifier Sump (386AA), Air Stripper Sump (386FF), RLST Lift Station (386HH), and Main Lab Wastewater Sump (386GG). [EAC 33:III.501]
- 2 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions shall be controlled by 95% using covers - Determined as MACT. [LAC 33:II.5109.A]
- 3 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii).
- 4 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

ARE044 395: Formate, Dechlorination Area Source

- 5 This source includes MR 1st Stage Dechlorination Tank No. 1 W. (57G-T-1), MR 2nd Stage Dechlorination Tank No. 2 E. (57G-T-2), MR 1st Stage Dechlorination Tank No. 3 W. (57G-T-3), MR 2nd Stage Dechlorination Tank No. 2 E. (57G-T-4), No. 1 Retention Tank (66A-T-11), No. 2 Retention Tank (66A-T-12), and No. 3 Retention Tank (66A-T-13). [LAC 33:III.501]
- 6 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Treated wastewater streams. No further control is required. [LAC 33:II.5109.A]

ARE045 396: Metal Removal Area Source

- 7 This source include No. 1 Equalization Tank South (57G-T-8), No. 2 Equalization Tank North (57G-T-9), and MR Sludge Thickener (57G-T-21). [LAC 33:III.501]
- 8 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Treated wastewater streams. No further control is required. [LAC 33:II.5109.A]

ARE046 501-506: Upstream Lift Stations

- 9 This source includes Upstream WTU Lift Station No. 7 (501A), Upstream WTU Lift Station No. 2 (501C), Upstream WTU CSS Sump (501D), Upstream WTU Formate Sump (501F), Upstream WTU BAT Sump (501G), Upstream WTU Lift Station No. 11 North (501H), Upstream WTU Clarifier Sump (501J), Upstream PTT Lift Station No. 6 (502A), Upstream P.T. BAT Sump (502B), Upstream PHH Impounding Basin (503B), Upstream PHH BAT-Rain (503C), Upstream PHH BAT Organic (503D), Upstream PHH E. Process Sump (503E), Upstream TE-2 BAT Sump (504A), Upstream TE-2 Lift Station No. 9 (504B), Upstream Shipping Lift Station No. 4 (505), Upstream EC/HCl Lift Station No. 1 (506A), Upstream EDC Lift Station No. 5 (506B), and Upstream VDCM Lift Station No. 3 (506C). [LAC 33:III.501]
- 10 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions shall be controlled by 95% using covers - Determined as MACT. [LAC 33:II.5109.A]
- 11 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

EQT344 368: Outfall 001 HCl Storage Tank Scrubber

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

EQT344 368: Outfall 001 HCI Storage Tank Scrubber

- 12 pH monitored by pH instrument once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 13 pH recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 14 Flow rate monitored by flow rate monitoring device once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 15 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 16 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 17 Flow rate \geq 7 gallons/min. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 18 Class III TAP - MACT is not required. [LAC 33:III.5109.A]

EQT345 375: HCI Tanks (COS, No. 3 Inc. WA, T-7) Scrubber

- 19 pH monitored by pH instrument once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 20 pH recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 21 Flow rate monitored by flow rate monitoring device once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 22 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 23 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 24 Flow rate \geq 1.8 gallons/min. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 25 Class III TAP - MACT is not required. [LAC 33:III.5109.A]

EQT348 536A: South Terminal Rainwater Storage Tank

- 26 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Stormwater with extremely low TAP concentration. No control is required. [LAC 33:III.5109.A]

EQT349 536B: South Terminal Dock Sump Tank

- 27 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Stormwater with extremely low TAP concentration. No control is required. [LAC 33:III.5109.A]

EQT350 536C: South Terminal EDC Pumps Sump Tank

- 28 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Stormwater with extremely low TAP concentration. No control is required. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

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EQT351 537: C Dock Solvent Rainwater Storage Tank

29 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Stormwater with extremely low TAP concentration. No control is required. [LAC 33.III.5109.A]

EQT352 540: WTU Stormwater Storage Tank

30 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Stormwater with extremely low TAP concentration. No control is required. [LAC 33.III.5109.A]

EQT353 544: South Terminal Flameless Thermal Oxidizer

31 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33.III.1101.B]

Which Months: All Year Statistical Basis: None specified
32 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33.III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

33 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33.III.1513]

EQT355 51A-T-61583: Outfall 001 HCl Storage Tank

34 Class III TAP - MACT is not required. [LAC 33.III.5109.A]

EQT356 66A-T-10: COS Acid Storage Tank

35 Class III TAP - MACT is not required. [LAC 33.III.5109.A]

EQT357 68A-T-15: No. 3 Incinerator Weak Acid Storage Tank

36 Class III TAP - MACT is not required. [LAC 33.III.5109.A]

EQT358 20A-T-7: No. 3 Incinerator 201 Tank

37 Class III TAP - MACT is not required. [LAC 33.III.5109.A]

EQT359 57A-T-201: No. 1 WTU Stripper Feed Tank

38 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33.III.5109.A]

39 Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

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EQT359 57A-T-201: No. 1 WTU Stripper Feed Tank

- 40 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
Which Months: All Year Statistical Basis: None specified
- 41 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1)(i) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
Which Months: All Year Statistical Basis: None specified
- 42 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]
- 43 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
- 44 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
- 45 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT360 57A-T-202: No. 2 WTU Stripper Feed Tank

- 46 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 Determined as MACT. [LAC 33:III.5109.A]
47 Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]
- 48 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
Which Months: All Year Statistical Basis: None specified
- 49 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1)(i) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
Which Months: All Year Statistical Basis: None specified
- 50 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]
- 51 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
- 52 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
- 53 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT361 57G-T-101: No. 1 P/T Stripper Feed Tank

- 54 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 Determined as MACT. [LAC 33:III.5109.A]
55 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

EQT361 57G-T-101: No. 1 P/T Stripper Feed Tank

56 Halogenated vent streams: Hydrogen halides and halogens $\geq 95\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

57 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

58 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT362 57G-T-201: No. 2 P/T Stripper Feed Tank

59 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]

60 Organic HAP $\geq 98\%$ reduction by weight, or $\leq 20 \text{ ppmv}$, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

61 Halogenated vent streams: Hydrogen halides and halogens $\geq 95\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

62 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

63 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT363 57G-T-446: No. 3 P/T Stripper Feed Tank

64 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]

65 Organic HAP $\geq 98\%$ reduction by weight, or $\leq 20 \text{ ppmv}$, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

66 Halogenated vent streams: Hydrogen halides and halogens $\geq 95\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

67 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

68 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT364 57A-T-412: WTU Backwash Collection Tank

69 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]

EQT365 57A-T-425: No. 3 WTU Stripper Feed Tank

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

EQT365 57A-T-425: No. 3 WTU Stripper Feed Tank

- 70 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
71 Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]
72 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(j)]
Which Months: All Year Statistical Basis: None specified
73 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1)(i) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
Which Months: All Year Statistical Basis: None specified
74 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]
75 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
76 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
77 Comply with the provisions of 40 CFR 63 Subpart G Table 3S for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT366 57D-T-3: No. 2 CSS Feed Tank

- 78 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
79 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
80 Halogenated vent streams: Hydrogen halides and halogens >= 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
81 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
82 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT368 57A-T-62789: No. 1 CSS Feed Tank

- 83 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
84 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
85 Halogenated vent streams: Hydrogen halides and halogens >= 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960013
Permit Number: 2269-V0
Air - Title V Regular Permit Initial

EQT368 57A-T-62789: No. 1 CSS Feed Tank

- 86 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere.
Subpart G. [40 CFR 63.113(c)(1)]
- 87 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT369 57A-C-472: No. 2 WTU Steam Stripper

- 88 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005- Determined as MACT. [LAC 33:II.5|09.A]
- 89 Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]
- 90 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
- Which Months: All Year Statistical Basis: None specified
- 91 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
- Which Months: All Year Statistical Basis: None specified
- 92 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]
- 93 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
- 94 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
- 95 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT370 57A-C-405-B: No. 3 WTU Steam Stripper

- 96 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005- Determined as MACT. [LAC 33:II.5|09.A]
- 97 Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]
- 98 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
- Which Months: All Year Statistical Basis: None specified
- 99 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
- Which Months: All Year Statistical Basis: None specified
- 100 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]
- 101 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
- 102 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries, Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

EQT370 57A-C-405-B: No. 3 WTU Steam Stripper

103 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT371 57G-C-462-A: No. 1 P/T Steam Stripper

104 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
105 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified
106 Halogenated vent streams: Hydrogen halides and halogens >= 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

107 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
108 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT372 57G-C-462-B: No. 2 P/T Steam Stripper

109 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
110 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified
111 Halogenated vent streams: Hydrogen halides and halogens >= 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

112 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
113 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT373 57D-C-464-A: No. 1 OHC Central Steam Stripper

114 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
115 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
116 Halogenated vent streams: Hydrogen halides and halogens >= 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex
Activity Number: PER19960013
Permit Number: 2269-V0
Air - Title V Regular Permit Initial

EQT373 57D-C-464-A: No. 1 OHC Central Steam Stripper

- 117 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere.
Subpart G. [40 CFR 63.113(c)(1)]
- 118 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT374 57D-C-464-B: No. 2 OHC Central Steam Stripper

- 119 Emissions are controlled by a combustion device currently covered in Permit 2040-V0, issued February 21, 2005 - Determined as MACT. [LAC 33:III.5109.A]
120 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 121 Halogenated vent streams: Hydrogen halides and halogens \geq 95 % reduction, or reduce the outlet mass of total hydrogen halides and halogens $<$ 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 122 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere.
Subpart G. [40 CFR 63.113(c)(1)]
- 123 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

GRP077 Wastewater Unit

- 124 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:II.2113.A.1-5. [LAC 33:III.2113.A]
- 125 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 126 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:II.2901.G are prohibited. [LAC 33:III.2901.D]
- 127 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:II.2901.G. [LAC 33:III.2901.F]
- 128 Biphenyl \leq 0.10 tons/yr. [LAC 33:III.501.C.5]
Which Months: All Year Statistical Basis: Annual maximum
- 129 Particulate matter (10 microns or less) $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 130 Sulfur dioxide $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 131 Nitrogen oxides \leq 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 132 Carbon monoxide $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

GRP077 Wastewater Unit

- 133 VOC, Total <= 39.50 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
134 1,1,1-Trichloroethane <= 3.81 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
135 1,1,2,2-Tetrachloroethane <= 0.46 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
136 1,1,2-Trichloroethane <= 1.48 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
137 1,1-Dichloroethane <= 1.58 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
138 1,2-Dichloroethane <= 6.93 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
139 Benzene < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
140 Carbon disulfide < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
141 Carbon tetrachloride <= 1.42 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
142 Chlorine <= 0.04 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
143 Chlorobenzene < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
144 Chloroethane <= 1.67 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
145 Chloroform <= 9.84 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
146 Dichloromethane < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
147 Hexachlorobutadiene <= 0.10 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
148 Hexachloroethane <= 0.11 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
149 Hydrochloric acid <= 0.51 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
150 Methyl chloride < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
151 Tetrachloroethylene <= 5.26 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
152 Toluene < 0.001 tons/yr. [LAC 33:III:501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1255 - PPG Industries Inc - Lake Charles Complex

Activity Number: PER19960013

Permit Number: 2269-V0

Air - Title V Regular Permit Initial

GRP077 Wastewater Unit

- 153 Trichloroethylene <= 5.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 154 Vinyl chloride <= 0.29 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 155 Vinylidene chloride <= 2.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 156 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 157 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 158 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 159 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 160 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 161 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 162 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 163 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III. Chapter 51. Table 51.1 or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 164 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 165 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail: Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 166 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

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- 167 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 168 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 169 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 170 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 171 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 172 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 173 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 174 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 175 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 a through e. [LAC 33:III.5113.B.4]
- 176 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 177 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 178 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 179 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 180 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 181 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 182 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 183 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 184 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 185 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

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- 186 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 187 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 188 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 189 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 190 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 191 Activate the preplanned abatement strategy listed in LAC 33:III.561.1.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 192 Activate the preplanned abatement strategy listed in LAC 33:III.561.1.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 193 Activate the preplanned abatement strategy listed in LAC 33:III.561.1.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 194 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.1, Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 195 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 196 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]
- 197 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.91.9.A-D. [LAC 33:III.919.D]
- 198 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 199 Wastewater Unit is part of a facility (Lake Charles Complex) that is subject to the requirements of 40 CFR 68. [40 CFR 68.10]
- 200 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- 201 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]
- 202 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 203 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]
- 204 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(ii)(B)]

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205 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)].